SEQUENCE LISTING

<110> Millennium Pharmaceuticals, Inc.
Law, Deborah Ann
Phillips, David R.

<120> Transgenic Mice Expressing Mutant GP IIIa (beta-3) Protein

<130> MPI98-148P1USM

<140> US 09/673,302
<141> 2001-03-23

<150> US 60/115,516
<151> 1998-04-15

<150> PCT/US99/08285
<151> 1999-04-15

<160> 7

<170> PatentIn Ver. 2.1

<210> 1
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of GP IIIa integrin beta-3 subunit

<220>
<221> Variant
<222> (1)...(66)
<223> Xaa = any amino acid

<220>
<221> Variant
<222> (41)...(48)
<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>
<221> Variant
<222> (56)...(66)
<223> This segment of any amino acids can be from
zero to eleven amino acids long.

<400> 1

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lys | Leu | Leu | Leu | Thr | Thr | His | Asp | Arg | Lys | Glu | Phe | Ala | Lys | Phe | Glu |
| 1 | | | | 5 | | | | 10 | | | | | | 15 | |
| Glu | Glu | Arg | Ala | Arg | Ala | Lys | Trp | Asp | Thr | Ala | Asn | Asn | Pro | Leu | Tyr |
| | | 20 | | | | | 25 | | | | | | 30 | | |
| Lys | Glu | Ala | Thr | Ser | Thr | Phe | Thr | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa |
| | 35 | | | | | 40 | | | | | | 45 | | | |
| Asn | Ile | Thr | Tyr | Arg | Gly | Thr | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa | Xaa |
| 50 | | | | | 55 | | | | | | 60 | | | | |

Xaa Xaa
65

<210> 2
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of integrin beta-6 subunit

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Lys Leu Leu Val Ser Phe His Asp Arg Lys Glu Val Ala Lys Phe Glu
1 5 10 15

Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr
20 25 30

Arg Gly Ser Thr Ser Thr Phe Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu Ser Thr
50 55 60

Asp Cys
65

<210> 3
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<220>
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zero to eleven amino acids long.

<400> 3
Lys Leu Leu Met Leu Ile His Asp Arg Arg Glu Glu Ala Lys Glu Glu
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Lys Glu Lys Met Asn Ala Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr
20 25 30

Lys Ser Ala Val Thr Thr Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Pro Lys Tyr Glu Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa
65

<210> 4
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<212> PRT
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<220>
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<400> 4
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1 5 10 15

Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr
20 25 30

Arg Lys Pro Ile Ser Thr His Thr Val Asp Phe Thr Phe Asn Lys Phe
35 40 45

Asn Lys Ser Tyr Asn Gly Thr Val Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa
65

<210> 5
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  1               5                  10                  15

Lys Glu Lys Leu Lys Ser Gln Trp Asn Asn Asp Xaa Asn Pro Leu Phe
             20                  25                  30

Lys Ser Ala Thr Thr Thr Val Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
         35                  40                  45

Asn Pro Lys Phe Ala Glu Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
     50                  55                  60

Xaa Xaa
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<210> 6
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<220>
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Lys Glu Gln Gln Gln Leu Asn Trp Lys Gln Asp Ser Asn Pro Leu Tyr
20 25 30

Lys Ser Ala Ile Thr Thr Thr Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Pro Arg Phe Gln Glu Ala Asp Ser Pro Thr Leu Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa
65

<210> 7
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Consensus
sequence for segment of integrin beta subunits

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<223> Xaa = any amino acid

<220>
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<222> (41)...(48)
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zero to eight amino acids long.

<220>
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zero to ten amino acids long.

<400> 7
Lys Leu Leu Val Xaa Ile His Asp Arg Arg Glu Phe Ala Lys Phe Glu
1 5 10 15

Xaa Glu Xaa Xaa Xaa Ala Xaa Trp Xaa Xaa Xaa Xaa Asn Pro Leu Tyr
20 25 30

Lys Xaa Ala Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa
65